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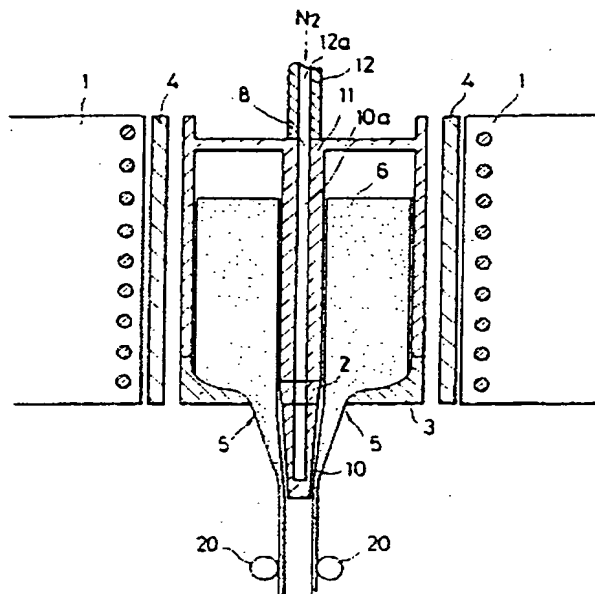
APPLICATION DATE : 22-09-88
APPLICATION NUMBER : 63236280

APPLICANT : TOSHIBA CERAMICS CO LTD;

INVENTOR : TOMOMITSU HIDEYUKI;

INT.CL. : C03B 37/022

TITLE : PRODUCTION DEVICE FOR HIGH
PURITY QUARTZ PIPE



ABSTRACT : PURPOSE: To improve size accuracy by blowing out inert gas from a mandrel made of porous carbon and separating the base material of quartz pipe from the mandrel.

CONSTITUTION: The specifically sized base material 6 of high purity quartz is put in a mold 3 set in the furnace 1 arranged with a heat generating body 4 in the inside, and the mandrel 10 made of porous carbon is inserted into the central hole of the base material 6, and the base material is heated by the heat generating body 4. At the same time, inert gas sent from the hole 12a of a gas introducing inlet 12 to the aperture 10a of the mandrel 10 to blow out of numerous pores of the mandrel 10 and the core 2 with the blowing rate of 10-30l/min per unit area so as to separate the mandrel 10 from the base material 6 so that the mandrel 10 is not brought into contact with the base material 6 during the base material 6 is flowed out of an opening 5.

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